

## Product Datasheet

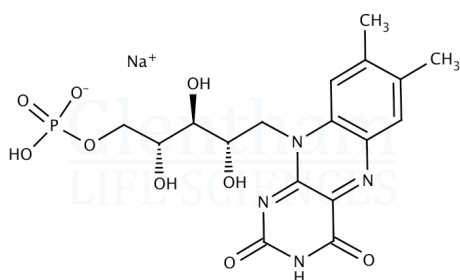
### GP0364 - Riboflavin-5"-phosphate monosodium salt hydrate, USP grade

#### Product Details

Product Name	Riboflavin-5"-phosphate monosodium salt hydrate, USP grade
Glenthams Code	GP0364
CAS Number	130-40-5
EINECS	204-988-6
MDL Number	MFCD00150992
PubChem SID	310279706
Additional CAS	6184-17-4 ( $\cdot 2\text{H}_2\text{O}$ )
Related Categories	APIs, Biochemicals, Vitamins

#### Structure

Molecular Weight	: 514.36
Molecular Formula	: $\text{C}_{17}\text{H}_{20}\text{N}_4\text{NaO}_9\text{P} \cdot x\text{H}_2\text{O}$



#### Glenthams Product Specification

Physical Description	: Yellow to orange crystalline powder
Identification	: A, B according to USP
Solubility (1% in water)	: Clear, orange to yellow solution
pH (1% in water)	: 5.0 - 6.5
Specific Optical Rotation	: +37.0 - +42.0 °
Residue on Ignition	: $\leq 25.0\%$
Free Phosphate	: $\leq 1.0\%$
Lumiflavin	: Absorbance: $\leq 0.025$
Free Riboflavin	: $\leq 6.0\%$
Riboflavin Diphosphates	: $\leq 6.0\%$
Loss on Drying	: $\leq 7.5\%$
Assay	: 73.0 - 79.0 % ( $\text{C}_{17}\text{H}_{20}\text{N}_4\text{O}_6$ , dried basis)
Pharmacopoeia Specification(s)	: USP
Identification (IR)	: To conform to standard
Version	: v1.1

#### About Riboflavin-5"-phosphate monosodium salt hydrate, USP grade

No further details on record.

#### Storage

Recommended storage temperature:  $-20^\circ\text{C}$ .

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025